I. AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1 to 67 (Canceled)

68. (Withdrawn) A method of altering a curvature of a cornea to correct a refractive error, comprising:

making an initial incision through a corneal epithelium or limbus;

introducing an intrastromal implant radially into the cornea through the initial incision and advancing the implant through a corneal stroma without entering a central optical zone, the implant being shaped to substantially correct the refractive error.

- 69. (Withdrawn) The method of claim 68, wherein the implant is an elongated member having a long axis which is advanced radially into the corneal stroma, below a corneal epithelium and Bowman's membrane, through the initial incision in the corneal epithelium or limbus, through which initial incision the long axis of the implant is introduced.
- 70. (Withdrawn) The method of claim 69, wherein after introduction through the initial incision, the implant is introduced radially into the incision without interrupting Bowman's membrane, and without entering a central optical zone of the cornea.
- 71. (Withdrawn) The method of claim 68, wherein the implant is placed in a subject having myopia, and the implant has a curvature greater than the corneal curvature prior to introduction of the implant, to flatten a central curvature of the cornea.
- 72. (Withdrawn) The method of claim 68, wherein the implant is placed in a subject having hyperopia, and the implant has a curvature less than the corneal curvature prior to introduction of the implant, to steepen a central curvature of the cornea.

- 73. (Withdrawn) The method of claim 68, wherein introducing a stromal implant comprises inserting a plurality of implants into the cornea.
- 74. (Withdrawn) The method of claim 73, wherein inserting the plurality of implants comprises radially inserting the plurality of the implants substantially symmetrically about the cornea.
- 75. (Withdrawn) The method of claim 73, wherein inserting the plurality of the implants comprises radially inserting the plurality of radial implants asymmetrically about the cornea.
- 76. (Withdrawn) The method of claim 75, wherein the plurality of radial implants are introduced asymmetrically into the cornea of a subject having astigmatism.
- 77. (Withdrawn) The method of claim 68, further comprising inserting a plurality of the implants radially in the cornea to achieve a desired refractive correction.
- 78. (Withdrawn) The method of claim 73, further comprising selectively removing at least one of the implants after they have been introduced into the cornea.
- 79. (Withdrawn) The method of claim 69, wherein the implant is elongated, and the method further comprises making a radial tunnel in the cornea below the corneal epithelium, through the initial incision, prior to introducing the implant into the cornea.
- 80. (Withdrawn) The method of claim 68, wherein the implant is substantially linear in shape.
- 81. (Withdrawn) The method of claim 68, wherein the implant has a tapered leading end that facilitates introduction of the implant into the cornea, and the implant is introduced tapered end first into the cornea.
- 82. (Withdrawn) A method of altering a curvature of a cornea to correct a refractive error in a subject, comprising:

providing an elongated implant, wherein the implant has a pre-selected curvature or shape, along its longitudinal axis, designed to offset a refractive error in a subject; making an initial incision in a periphery of limbus of the cornea;

inserting the implant into a stroma of the cornea through the initial incision, without entering a central optical zone or disrupting the epithelium at other than the initial incision, wherein a greatest width of the implant substantially conforms to the dimensions of the initial incision as the implant is introduced along its longitudinal axis radially into the cornea.

- 83. (Withdrawn) The method of claim 82, further comprising injecting the implant into the corneal stroma.
- 84. (Withdrawn) The method of claim 82, further comprising forming a stromal tunnel below the epithelium from the initial incision prior to introducing the implant into the cornea.
- 85. (Withdrawn) The method of claim 84, wherein forming a stromal tunnel comprises introducing a penetrating member into the cornea.
- 86. (Currently Amended) An intracorneal insert for introduction into the cornea of a human eye, said insert comprising a physiologically compatible polymer comprised of at least one synthetic polymer and further comprising at least one elongated portion having a component with a radius of curvature, measured along the centroidinal axis of the insert, greater than 5.0 mm, wherein the insert is adapted for implantation within a human cornea without extending into the sight area of the cornea, with said component extending in a meridional direction thereby to effect refractive correction.
- 87. (Previously Presented) The insert of claim 86, wherein said radius of curvature is at least 5.5 mm.
- 88. (Previously Presented) The insert of claim 86, wherein said radius of curvature is between 6.0 and 9.0 mm.
- 89. (Previously Presented) The insert of claim 86, wherein said radius of curvature is between 7.0 and 8.0 mm.
- 90. (Previously Presented) The insert of claim 86, wherein said meridional component has a radius of curvature approximating a human corneal curvature when placed in the eye.

- 91. (Previously Presented) The insert of claim 86, having a centroidinal length of less than 3.0 mm.
- 92. (Previously Presented) The insert of claim 91, wherein said centroidinal length is less than or equal to 2.5 mm.
- 93. (Previously Presented) The insert of claim 91, wherein said centroidinal length is less than or equal 2.0 mm.
- 94. (Previously Presented) The insert of claim 86, wherein said elongated portion extends only in a single direction.
- 95. (Previously Presented) The insert of claim 86, wherein said elongated portion extends in different directions.
- 96. (Previously Presented) The insert of claim 95, wherein the insert is configured in the shape of an anchor.
- 97. (Previously Presented) The insert of claim 95, wherein said insert is configured in the shape of a cross.
- 98. (Previously Presented) The insert of claim 95 wherein said insert is configured in the shape of a boomerang.
- 99. (Previously Presented) An intracorneal refractive correction insert for introduction into the cornea of a human eye, said insert comprising a physiologically compatible polymer and being adapted for implantation within a human cornea, said insert further comprising a first elongated portion and a second elongated portion extending therefrom in a different direction, one of said first and said second portions being configured for radial insertion in the cornea of a human eye.
- 100. (Previously Presented) The insert of claim 99, wherein said first elongated portion has said second and a third elongated portion extending therefrom.
- 101. (Previously Presented) The insert of claim 100, wherein said insert is configured in the shape of an anchor.
- 102. (Previously Presented) The insert of claim 100, wherein said insert is configured in the shape of a boomerang.

103. (Previously Presented) The insert of claim 100, wherein said insert is configured in the shape of a cross.